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PATENTS, TRADEMARKS, COPYRIGHTS & UNFAIR COMPETITION

January 9, 2007

Commissioner For Patents
Office of Initial Patent Examination
Customer Service Center
P.O. Box 1450
Alexandria, VA 22313-1450

Re:

Our File: VEECO 3.3-082

Appln. No. 10/568,794

Filing Date: November 8, 2006

Group Art Unit: 1763

Dear Sir:

We are enclosing herewith copies of the filing receipt and executed Declaration for the above-identified patent application.

Please note that the "Applicant(s)" section contains duplicative information (i.e., Michael Murphy and Richard Hoffman are listed twice each). The "Applicant(s)" section should read as follows:

--Michael Murphy, Somerset, NJ; Richard Hoffman, Clinton, NJ; Jonathan Cruel, Plano, TX; Lev Kadinski, Burghausen, GERMANY; Jeffrey C. Ramer, Sunnyvale, CA; Eric A. Armour, Pennington, NJ--

Kindly issue a corrected filing receipt for the above-identified application as soon as possible.

Sincerely yours,

LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK, LLP

ARNOLD H. KRUMHOLZ Reg. No. 25,428

AHK/ls Enclosures



ED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS P.O. Box 1450 Alexandria, Viginia 22313-1450

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS]	IND CLMS	
10/568,794	11/08/2006	1763	1430	VEECO 3.3-082	5	26	5	-		

CONFIRMATION NO. 6426

FILING RECEIPT

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530 LERNER, DAVID, LITTENBERG, KRUMHOLZ & MENTLIK 600 SOUTH AVENUE WEST WESTFIELD, NJ 07090

Date Mailed: 12/19/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Michael Murphy, Somerset, NJ; Richard Hoffman, Clinton, NJ; Michael Murphy, Somerset, NJ; Richard Hoffman, Clinton, NJ; Jonathan Cruel, Plano, TX; Lev Kadinski, Burghausen, GERMANY; Jeffrey C. Ramer, Sunnyvale, CA; Eric A. Armour, Pennington, NJ;

Assignment For Published Patent Application

Veeco Instruments Inc., Woodbury, NY

Power of Attorney: The patent practitioners associated with Customer Number <u>00530</u>.

Domestic Priority data as claimed by applicant

LDLK &M

This application is a 371 of PCT/US03/26112 08/20/2003

DEC 22 2006

Foreign Applications

RECEIVED

If Required, Foreign Filing License Granted: 12/16/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is US10/568,794

Projected Publication Date: 03/29/2007

Non-Publication Request: No

Early Publication Request: No

Title

Alkyl push flow for vertical flow rotating disk reactors

Preliminary Class

118

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Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process simplifies the filing of patent applications on the same invention in member countries, but does not result in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

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For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, http://www.stopfakes.gov. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

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	· <u>· </u>	·*		PTO/SB/01 (03-01)				
treese type a plus sign (+)	inside this box + + this box tion Act of 1995, no persons are require	U.S. Patent and T	ademark Office: U.S. Di	h 10/31/2002. OMB 0651-0032 EPARTMENT OF COMMERCE ains a valid OMB control number				
	N FOR UTILITY OR	Attorney Docket Nur	l i	VEECO 3.3-082				
	ESIGN	First Named Inventor	Michael M	urphy				
PATENT	APPLICATION	COMPLETE IF KNOWN						
(37 CFR 1.63)		Application Number						
Declaration	X Declaration Submitted after Initial	Filing Date	Pate February 17, 2006					
Submitted with Initial OR	Filing (surcharge	Group Art Unit	roup Art Unit N/A					
Filing	(37 CFR 1.16 (e)) required)	Examiner Name	Not Yet Assigne	d				
As a below named inventor, I hereby declare that: My residence, mailing address, and citizenship are as stated below next to my name. I believe I am an original and first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: ALKYL PUSH FLOW FOR VERTICAL FLOW ROTATING DISK REACTORS								
<u> </u>		Fitle of the Invention)						
the specification of w	·							
is attached her	eto		· :	*				
x was filed on (M	M/DD/YYYY) 08/20/200	as United States	Application Number	r or PCT International				
Application No.	JC 1711C JOON 470 JE 117 1	d was amended on W/DD/YYYY)		(if applicable)				
I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.								
I acknowledge the duty continuation-in-part app	to disclose information which is i lications, material information wh rnational filing date of the continu	material to patentability as ich became available bet	defined in 37 CFR 1 veen the filing date o	.56, including for f the prior application and				
I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365 (a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.								
Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached? YES NO				
Number								
Additional foreig	n application numbers are listed	on a supplemental priority	data sheet PTO/SB	/02B attached hereto:				
								

PTO/SB/01 (03-01) Approved for use through 10/31/2002. OMB 0651-0032 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Please type a plus sign (+) inside this box -Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. **DECLARATION** — Utility or Design Patent Application POWER OF ATTORNEY: As a named inventor, I hereby appoint the following registered practitioner(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: Customer Number 000530 000530 Customer Number OR Correspondence address below Direct all correspondence to: or Bar Code Label Name Address State ZIP City Telephone I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. NAME OF SOLE OR FIRST INVENTOR: A petition has been filed for this unsigned inventor Michael Family Name Murphy Given Name (first and middle [if any]) or Surname Inventor's 12006 Signature United States of Somerset US Residence: City America Citizenship Mailing 9J One JFK Boulevard Address: NJ 08873 United States of America Somerset City State ZIP Country NAME OF SECOND INVENTOR: A petition has been filed for this unsigned inventor Given Name Family Name Richard Hoffman (first and middle [# any]) or Surname Inventor's Signature Date Clinton United States of NJ US Residence: City State <u>America</u> Citizenship Mailing 2 Mitchell Lane Address:

LD-537\

City

X

Clinton

Additional inventors are being named on the

NJ

08809

United States of America

Country

supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

PTO/SB/01 (C Please type a plus sign (+) inside this box Approved for use through 10/31/2002. OMB 0651 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMM Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control nu							ffice: U.S. DEPARTMENT OF COMMERCE		
DECLARATION — Utility or Design Patent Application									
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Direct all corre	tomer Number ar Code Label	000530			OR	Correspondence address below			
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NAME OF S	OLE OR FIRST INVENTO	₹:			A petition i	has bee	en filed for this unsigned inventor		
Given Name (first and mid	idle [if any])	Michael			Family Name or Surname		Murphy		
Inventor's Signature					· ·	Date			
Residence: C	Somerset ity	NJ State	United States of America			Citiz	US enship		
Mailing Address:	9J One JFK Bouleva	rd							
City	Somerset	NJ State	ZIP	08	873	Cour	United States of America .		
	ECOND INVENTOR:				A petition i	has be	en fited for this unsigned inventor		
Given Name Richard			Family Name or Surname		Hoffman				
Inventor's Signature	Jun 4	the				Date	25 october 2006		
Residence: C	Clínton ity	NJ State	Ur		States of erica	Citiz	US enship		
Mailing Address:	2 Mitchell Lane		THE						
City	Clinton	NJ State	08809 ZIP		Cour	United States of America			

.LD-537\

X Additional inventors are being named on the

supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

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ADDITIONAL INVENTOR(S)

<u> </u>	DECLAR	AHON		Supple	mental Sheet	Page _101_1_		
Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor								
	Given Name (first an))			Family Name or Surname			
	Jonath	nan				Cruel		
Inventor's Signature) ·				Date		
	Plano / [!]	TX.			States of	US		
Residence City	<u> </u>	State		Ame	erica	Citizenship		
Mailing Address:	·1901 W. Spring	Creek Par	kway, #301	l				
City	Plano	TX State	Z _i p			United States of America Country		
Name of Add	itional Joint Invent	or, if any:	·		A petition	has been filed for this unsigned inventor		
	Given Name (first and	d middle (if any)))			Family Name or Surname		
	Lev	***************************************				Kadinski		
Inventor's Signature					*************	Date		
Bur Residence: City	ghause n	State	Cou	Gern	nany	Germany Caizenship		
Mailing Address:	Lilienweg 5							
	ghausen			844	89	Germany		
City	<u> </u>	State	Zip			Country		
Name of Add	litional Joint Invent	or, if any:			A petition	has been filed for this unsigned inventor		
	Given Name (first and		<u> </u>			Family Name or Surname		
	Jeffrey	<u>C.</u>				Ramer		
Inventor's Signature		g* - c**********************************	, water with the property of the Address acrossly Address on the copy of the property of the Address of the Copy of the Copy of the Address of the Copy of the Cop			Date		
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Mailing Address:	825 E. Evelyn A	venue #324	4					
Sur	nnyvale	CA State	Z _i p	940	86	United States of America Country		
Name of Add	itional Joint Invento	or, if any:			A petition	has been filed for this unsigned inventor		
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	Eric A				Armour			
Inventor's Signature						Date		
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Pen City .	nington	NJ State	08534 Zip		34	United States of America :		



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	DECLARA	NOITA		Supplement		Page 1 of 1			
Name of Additional Joint Inventor, if any: A petition has been filed for this unsigned inventor									
	Given Name (first and	d middle (if any)))	Family Name or Surname					
	Jonath			Cruel					
Inventor's Signature			-			Date			
Residence: C	Plano	TX State		United State		US Citizenship			
Mailing Address: 1901 W. Spring Creek Parkway, #301									
City	Plano	TX State	Zip			United States of America Country			
Name of Ac	Iditional Joint Invent	or, if any:			A petition	has been filed for this unsigned inventor			
	Given Name (first and	middle (if any))			Family Name or Surname			
	Lev					Kadinski			
Inventor's Signature	Lev Ko	adins	ki _			Date 26.10.2006 Germany			
Bu Residence: Ci	rghausen	State	Cou	Germany	y	Germany Citizenship			
Mailing Address:	Lilienweg 5								
Bu City	rghausen	State	Zip	84489	-	Germany			
Name of Ad	Iditional Joint Invent	or, if any:			A petition	has been filed for this unsigned inventor			
	Given Name (first and)		Family Name or Surname				
	Jeffrey	C.	·			Ramer			
Inventor's Signature				Ψ.	-	Date			
St Residence: Ci	unnyvale	CA State	·	United State America	es of	US Citizenship			
Mailing Address:	825 E. Evelyn A	venue #32	4						
St	unnyvale	CA State	Zip	94086		United States of America Country			
Name of Ad	ditional Joint Invento	or, if any:	•		A petition	has been filed for this unsigned inventor			
	Given Name (first and)	Family Name or Surname					
	Eric A	١.				Armour			
Inventor's Signature						Date			
Pennington Residence: City		NJ State	,	Jnited State America	es of	US Citizenship			
Mailing Address: 14 Laning Avenue									
Pe	nnington	NJ	7in	08534		United States of America			



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	LARATION	equired to respon		ormation unless it contains a valid OMB control nur TOR(S) t	
				Page 1 of 1	
Name of Additional Joi	nt Inventor, if any:		A petition	n has been filed for this unsigned inventor	
Given Nar	ne (first and middle (if any))			Family Name or Surname	
	Jonathan			Cruel	
Inventor's Signature	,			Date	
Plano Residence: City	TX State		ed States of	US Citizenship	
4-11	Spring Creek Parkway				
Plano	State	Zip		United States of America Country	
Name of Additional Joi	nt Inventor, if any:		A petition	has been filed for this unsigned inventor	
Given Nam	ne (first and middle (if any))			Family Name or Sumame	
	Lev			Kadinski	
inventor's Signature				Date	
Burghausen Residence: City	State	Country	Sermany	Germany	
Mailing Address: Lilienwe	g 5				
Burghausen	State	Zip	84489	Germany	
Name of Additional Join	nt Inventor, if any:		A petition	has been filed for this unsigned inventor	
Given Nam	e (first and middle (if any))			Family Name or Surname	
	Jeffrey C.			Ramer	
nventor's Qu.W	rey (, ILamer	\		Date 10/24/66	
Sunnyvale tesidence: City	CA State	1	ed States of	US Citizenship	
Mailing 825 E. E	velyn Avenue #324				
Sunnyvale	CA State	Zip	94086	United States of America Country	
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Given Nam	e (first and middle (if any))		Family Name or Sumame		
iventor's	Eric A.			Armour	
ignature	NI I	11-14-	d States of	Date	
Pennington Residence: City	NJ State	,	ed States of	US Citizenship	
tailing ddress: 14 Laning	g Avenue			*	
Pennington	NJ	Zip	08534	United States of America Country	

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DECLARATION

ADDITIONAL INVENTOR(S) Supplemental Sheet

Page 1

Name of Additional Joint Inver	tor, if any:	A petition has been filed for this unsigned inventor					
Given Name (first a	nd middle (if any))		Family Name or Surname				
Jonat	han		Cruel				
Inventor's Signature				Date			
Plano	TX	Ur	nited States of	US			
Residence: City	State		America	Citizenship			
Mailing Address: 1901 W. Spring Creek Parkway, #301							
Plano City	State	Zip		United States of America Country			
Name of Additional Joint Inven	tor, if any:		A petition	has been filed for this unsigned inventor			
Given Name (first a				Family Name or Surname			
Le	V			Kadinski			
Inventor's Signature				Date			
Burghausen			Germany	Germany			
Residence: City	State	Country	/	Citizenship			
Mailing Address: Lilienweg 5		· .					
Burghausen	T	T	84489	Germany			
City	State	Zip		Country			
Name of Additional Joint Inven	tor, If any:		A pelition	has been filed for this unsigned inventor			
Given Name (first and middle (if any)) Family Name or Surname							
Jeffre	/ C.			Ramer			
Inventor's Signature			·	Date			
Sunnyvale	.ÇA	Un	United States of US				
Residence: City	State	<u> </u>	America	Citizenship			
Mailing Address: 825 E. Evelyn A	Venue #324						
Sunnyvale	CA State	94086 Zip		United States of America Country			
Name of Additional Joint Invent	or, If any:		. A petition	has been filed for this unsigned inventor			
Given Name (first an	d middle (if any))	1	Family Name or Surname				
Eric	٩	1		Armour			
Inventor's Signature	e C			Date 10/25/06			
Pennington NJ			ited States of	'us			
Residence: City State America Citizenship							
Mailing Address: 14 Laning Aven	ue						
Pennington	NJ	l	08534	United States of America			
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